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1 [NEST: a network simulation and prototyping testbed](#)

 Alexander Dupuy, Jed Schwartz, Yechiam Yemini, David Bacon
 October 1990 **Communications of the ACM**, Volume 33 Issue 10

Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (5.94 MB) **Additional Information:** full citation, abstract, reference terms, review

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 64, Citation

The Network Simulation Testbed (NEST) is a graphical environment for rapid-prototyping of distributed networked systems and protocols. Designing distributed networked systems require the ability to study the systems under ...

2 [Practical safety in flexible access control models](#)

Trent Jaeger, Jonathon E. Tidswell

 May 2001 **Transactions on Information and System Security (TISSEC)**
Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (346.47 KB) **Additional Information:** full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 129, Citation

Assurance that an access control configuration will not result in the leak of an unauthorized principal, called *safety*, is fundamental to ensuring that access control policies can be enforced. It has been proven ...

Keywords: Access control models, authorization mechanisms, role-based

3 [A multiprocessor DSP system using PADDI-2](#)

Roy A. Sutton, Vason P. Srin, Jan M. Rabaey

 May 1998 **DAC '98: Proceedings of the 35th annual Design Automation Conference**
Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (179.50 KB) **Additional Information:** full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Citation

We have integrated an image processing system built around PADDI-2, node MIMD parallel DSP. The system includes image processing algorithms


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SFG tool, a simulator, routing tools, compilers, hardware configuration :

4 Multi-sector antenna performance in dense wireless networks

 Henrik Lundgren, Anand Prabhu Subramanian, Theodoros Salonidis, Mariar Pascal Le Guyadec
May 2009 **MobiHoc '09: Proceedings of the tenth ACM international symposium on mobile computing and networking**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.87 MB) [Additional Information: full citation, abstract, references, terms, review](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 26, Citation

Sectorized antennas provide an attractive solution to increase wireless throughput through higher spatial reuse. Despite their increasing popularity, the real performance characteristics of such antennas in dense wireless mesh networks

Keywords: dense wireless mesh networks, directional hidden terminal selection, sectorized antenna

5 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **CASCON '97: Proceedings of the 1997 conference of the Canadian Association for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available:  Pdf (4.21 MB) [Additional Information: full citation, abstract, references, terms, review](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 386, Citation

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event

6 Towards a resource management and service employment framework

Christos Chrysoulas, Evangelos Haleplidis, Giorgos Kostopoulos, Robert H. Korfopavlou


August 2008 **International Journal of Network Management**, Volume 18
Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (1.10 MB) [Additional Information: full citation, abstract, references, terms, review](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Citation

Owing to the increase in both heterogeneity and complexity in today's network systems, the need arises for new network-based services architectures. These architectures provide flexibility and efficiency in the definition, deployment and execution of services ...

7 Programming languages and systems for prototyping concurrent applications

 Wilhelm Hasselbring
March 2000 **Computing Surveys (CSUR)**, Volume 32 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (559.78 KB) [Additional Information: full citation, abstract, references, terms, review](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 249, Citation

Concurrent programming is conceptually harder to undertake and to unsequential programming, because a programmer has to manage the coordination of multiple concurrent activities. To alleviate this task severe

Keywords: concurrency, distribution, parallelism, rapid prototyping, ve languages

8 [Effect of vertical handovers on performance of TCP-friendly rate con](#)



Andrei Gurtov, Jouni Korhonen

July 2004 **SIGMOBILE Mobile Computing and Communications Review**

Publisher: ACM

Full text available: Pdf (440.19 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 77, Citation

An intersystem or vertical handover is a key enabling mechanism for ne mobile communication systems. A vertical handover can cause an abrupt to two orders of magnitude in link bandwidth and latency. It is hard for

9 [The benefits of CORBA-based network management](#)



Paul Haggerty, Krishnan Seetharaman

October 1998 **Communications of the ACM** , Volume 41 Issue 10

Publisher: ACM Request Permissions

Full text available: Pdf (172.08 KB) Additional Information: [full citation](#), [references](#), [citec](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 72, Citation

10 [Version models for software configuration management](#)



Reidar Conradt, Bernhard Westfechtel

June 1998 **Computing Surveys (CSUR)** , Volume 30 Issue 2

Publisher: ACM Request Permissions

Full text available: Pdf (483.54 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 67, Downloads (12 Months): 708, Citatic

After more than 20 years of research and practice in software configura management (SCM), constructing consistent configurations of versioned products still remains a challenge. This article focuses on the version m both ...

Keywords: changes, configuration rules, configurations, revisions, vari

11 [Advanced drawing tools aid network planning](#)

Nathan J. Mulier

November 1997 **International Journal of Network Management** , Volume


Publisher: John Wiley & Sons, Inc.

Full text available: Pdf (849.87 KB) Additional Information: [full citation](#), [abstract](#), [index t](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation C

Network administrators can facilitate managing large, complex network diagramming solutions. This article describes and discusses a variety of tools available to aid the design process. © 1997 John Wiley & Sons, Ltd.

12 Configurable applications for satellite graphics

 Griffith Hamlin, Jr.

August 1976 **SIGGRAPH '76**: Proceedings of the 3rd annual conference on graphics and interactive techniques

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (117.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 13, Citation

This paper advocates a configurable approach to software for satellite graphics. The division of labor between the host and satellite computers can be easily changed after an application program has been written. A software system, CAGI (Configurable ...

Also published in:

August 1976 **SIGGRAPH Computer Graphics** Volume 10 Issue 2

13 Advanced and versatile real-time emulation platform for heterogeneous access systems

 Francisco Bernardo, Anna Umbert, Miguel López-Benítez, Nemanja Vučević

October 2008 **PM2HW2N '08**: Proceedings of the 3rd ACM workshop on Performance monitoring and measurement of heterogeneous wireless and

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (2.92 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 34, Citation

This paper is aimed at showing the capabilities of the real-time testbed for 3G heterogeneous wireless networks that has been developed in the first European IST ARO-MA project. The main objective of the AROMA testbed is to provide ...

Keywords: All-IP, beyond 3G, heterogeneous wireless networks, real-time

14 Web-accessible network management tools

Nathan J. Muller

September 1997 **International Journal of Network Management**, Volume 7


Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (298.85 KB) Additional Information: [full citation](#), [abstract](#), [index](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 16, Citation

Web-based delivery of management information is becoming a key strategy for corporate development. This article evaluates various proprietary web-based management tools, in light of recently proposed industry standards © 1997 John Wiley & Sons, Inc.

15 Using spreadsheets for finite state modelling

 Sujit Kumar Chakrabarti, Srihari Sukumaran

February 2009 **I SEC '09**: Proceeding of the 2nd annual conference on India engineering conference

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (243.15 KB) [Additional Information: full citation, abstract, reference](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 19, Citation

State based modelling is a widely used practice in the software industry methods of building state based models: either using graphical modelling formal languages like SMV or SAL. The former method often suffers from

Keywords: finite state machines, sal, spreadsheets

16 [Traust: a trust negotiation-based authorization service for open systems](#)

 Adam J. Lee, Marianne Winslett, Jim Basney, Von Welch

June 2006 **SACMAT '06**: Proceedings of the eleventh ACM symposium on A models and technologies

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (222.72 KB) [Additional Information: full citation, abstract, reference](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 84, Citation

In recent years, trust negotiation (TN) has been proposed as a novel access solution for use in open system environments in which resources are shared across organizational boundaries. Researchers have shown that TN is indeed a solution ...

Keywords: attribute-based access control, credentials, trust negotiation

17 [PlanetLab application management using plush](#)

 Jeannie Albrecht, Christopher Tuttle, Alex C. Snoeren, Amin Vahdat

January 2006 **SI GOPS Operating Systems Review**, Volume 40 Issue 1


Publisher: ACM

Full text available:  Pdf (260.92 KB) [Additional Information: full citation, abstract, reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 56, Citation

Support for application deployment and monitoring in large-scale distributed systems such as PlanetLab remains in its early stages. While a number of solution specific subtasks of deployment and monitoring, these tools suffer from

18 [NETRA:: seeing through access control](#)

 Prasad Nalburg, Stefan Schwoon, Sriram Rajamani, John Lambert

November 2006 **FMSE '06**: Proceedings of the fourth ACM workshop on Formal security

Publisher: ACM

Full text available:  Pdf (357.34 KB) [Additional Information: full citation, abstract, reference](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation

We present netra, a tool for systematically analyzing and detecting exploitable flow vulnerabilities in access-control configurations. Our tool takes a snippet

access-control metadata, and performs static analysis on this snapshot.

Keywords: privilege escalation, static analysis, vulnerability reports

19 Asynchronous policy evaluation and enforcement



Matthew Burnside, Angelos D. Keromytis

October 2008 **CSAW '08: Proceedings of the 2nd ACM workshop on Computer architectures**

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (97.44 KB) [Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 67, Citation

Evaluating and enforcing policies in large-scale networks is one of the most significant problems facing the network security community today. Policies are limited by an out-of-date allow/deny paradigm, and policies are evaluated

Keywords: access control, policy, scalability, security

20 Management of international networks

Floris van den Broek, Maarten Looijen

September 1997 **International Journal of Network Management**, Volume

Publisher: John Wiley & Sons, Inc.

Full text available: Pdf (188.10 KB) [Additional Information: full citation, abstract, references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 8, Citation C

This article outlines particularities which must be addressed when building and maintaining international networks. © 1997 John Wiley & Sons, Ltd

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